

The **Fire Science** program technical standards have been developed to inform students of the nonacademic essential functions of the program and profession. Examples are not all inclusive.

Standard	Essential Function	Examples
Communication Oral / Written	<ul style="list-style-type: none"> • Skills sufficient to communicate information and ideas so others will understand • Skills sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds 	<ul style="list-style-type: none"> • Interact with citizens verbally and in writing • Testify in court to present evidence or act as a witness • Make public presentations on fire safety
Mobility / Motor Skills	<ul style="list-style-type: none"> • Motor skills sufficient to move the hands and use hands to grasp or manipulate objects • Ability to safely operate in and around vehicles • Mobility sufficient to maneuver in varied terrain • Mobility sufficient to perform physical activities that require considerable use of arms and legs and moving the whole body • Mobility sufficient to perform physical activities that require dexterity and flexibility to move body in a variety of positions 	<ul style="list-style-type: none"> • Safely drive a vehicle • Physical activities may include: <ul style="list-style-type: none"> • Running • Jumping • Bending • Lifting • Stooping • Crawling • Climbing • Reaching • Maneuver in confined spaces • Maneuver up and down a ladder at various heights
Physical Strength and Stamina	<ul style="list-style-type: none"> • Ability to stand or sit for extended periods of time • Ability sufficient to lift and carry equipment and a person 	<ul style="list-style-type: none"> • Ability to stand or sit for extended periods of time • Ability sufficient to lift and carry a person to safety • Ability to wear heavy equipment, such as an air tank

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Sensory <ul style="list-style-type: none"> • Sight • Sound • Taste • Touch • Smell 	<ul style="list-style-type: none"> • Visual skills sufficient to see details at close range • Listening skills sufficient to communicate with others • Ability to touch to perform physical assessments • Ability to tolerate various odors 	<ul style="list-style-type: none"> • Identify objects, actions, and events • Hear equipment/emergency alarms or calls for help • Feel for pulse
Environmental / Occupational Exposure	<ul style="list-style-type: none"> • Environmental hazards • Exposure to extreme temperatures and weather conditions • Ability to respond quickly and work under high stress situations • Wear appropriate safety gear 	<ul style="list-style-type: none"> • Respond appropriately in emergency to maintain safety • Exposure to extreme heat, smoke, and wet conditions • Wear face mask, helmet, fire suit, and air tank, etc.
Field or Industry Professional Standards	<ul style="list-style-type: none"> • Must be 18 years old • Physical examination form completed 	